

Attorney's Docket No. 498-128**COMBINED DECLARATION AND POWER OF ATTORNEY**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL,  
DIVISIONAL, CONTINUATION OR CIP)

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**This declaration is of the following type: *(check one)*

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Original | <input type="checkbox"/> National Stage PCT         |
| <input type="checkbox"/> Supplemental        | <input type="checkbox"/> Divisional                 |
| <input type="checkbox"/> Design              | <input type="checkbox"/> Continuation               |
|  | <input type="checkbox"/> Continuation-in-Part (CIP) |

**INVENTORSHIP IDENTIFICATION**

**NOTE:** *If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.*

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ePTFE SMALL CALIBER VASCULAR GRAFTS WITH SIGNIFICANT PATENCY ENHANCEMENT VIA A**  
**SURFACE COATING WHICH CONTAINS COVALENTLY BONDED HEPARIN**

the specification of which: *(complete (a), (b) or (c))*

- (a) ☐ is attached hereto.
- (b) ☒ was filed on September 13, 1996 as  
☐ Serial No. 08/ or  
☒ Express Mail No. EH494217747US, as Serial No. not yet known  
and was amended on \_\_\_\_\_. *(If applicable)*
- (c) ☐ was described and claimed in PCT International Application No. PCT/  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_. *(If any)*

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above, and that the filing of said specification, if heretofore filed, was authorized by me.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

### CLAIM OF PRIORITY OF EARLIER FOREIGN APPLICATION(S) UNDER 35 U.S.C. §119(a)-(d)

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

*(List prior foreign/PCT application(s) filed within 12 months (6 months for design) prior to this U.S. application.)*

**NOTE:** Where item (c) is entered above and the International Application which designated the U.S. claimed priority check item (e), enter the details below and make the priority claim.

COUNTRY (or PCT)	APPLICATION NO.	DATE OF FILING (Day/Month/Year)	PRIORITY CLAIMED UNDER 35 USC §119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

### CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. §119(e)

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

*(List prior U.S. provisional applications.)*

PROVISIONAL APPLICATION NO.	FILING DATE (Day/Month/Year)

# CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

(List prior U.S. applications or PCT international applications designating the U.S. for benefit under 35 U.S.C. §120.)

U.S. APPLICATIONS		STATUS (Check One)		
U.S. SERIAL NO.	U.S. FILING DATE (Day/Month/Year)	Patented	Pending	Abandoned
0 /		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0 /		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PCT APPLICATIONS DESIGNATING THE U.S.			STATUS (Check One)		
PCT APPLN. NO.	PCT FILING DATE (Day/Month/Year)	U.S. SERIAL NOS. ASSIGNED (If any)	Patented	Pending	Abandoned
PCT/			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCT/			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 35 USC 119 PRIORITY CLAIM, IF ANY, FOR ABOVE LISTED U.S./PCT APPLICATIONS

PRIORITY APPLICATION NO.	PRIORITY COUNTRY	FILING DATE (Day/Month/Year)	ISSUE DATE (Day/Month/Year)

## POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office in connection therewith:

Charles R. Hoffmann, Reg. No. 24,102; Ronald J. Baron, Reg. No. 29,281; Gerald T. Bodner, Reg. No. 30,449; Alan M. Sack, Reg. No. 31,874; A. Thomas Kammer, Reg. No. 28,226; Arlene D. Morris, Reg. No. 32,657; R. Glenn Schroeder, Reg. No. 34,720; Glenn T. Henneberger, Reg. No. 36,074; Livia Boyadjian, Reg. No. 34,781; Sean W. O'Dea, Reg. No. 37,690; Lindsay S. Adams, Reg. No. 36,425; Paul J. Otterstedt, Reg. No. 37,411; Irving N. Feit, Reg. No. 28,601; William E. Lewis, Reg. No. 39,274; and Paul D. Ackerman, Reg. No. 39,891, each of them of HOFFMANN & BARON, 350 Jericho Turnpike, Jericho, New York 11753; and Daniel A. Scola, Jr., Reg. No. 29,855; Salvatore J. Abbruzzese, Reg. No. 30,152; Kirk M. Miles, Reg. No. 37,891; Kevin C. Hooper, Reg. No. P-40,402; and Robert F. Chisholm, Reg. No. 39,939, each of them of HOFFMANN & BARON, 1055 Parsippany Boulevard, Parsippany, New Jersey 07054.

PLEASE SEND CORRESPONDENCE TO:

PLEASE DIRECT TELEPHONE CALLS TO:

HOFFMANN & BARON  
350 Jericho Turnpike  
Jericho, NY 11753

Attorney:  
Daniel A. Scola, Jr.  
(201) 331-1700

**DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**SIGNATURE(S)**

Full name of sole or first inventor: Birendra K. Patnaik

Country of Citizenship: USA

Residence Address: 13 South Gables Drive; Chester, NJ 07930

Post Office Address: Same as Above

Date: 10/16/96

Inventor's signature: Birendra K. Patnaik

Full name of second inventor: Horng-Ban Lin

Country of Citizenship:

Residence Address: 9 Willow Drive; Randolph, NJ 07869

Post Office Address: Same as Above

Date:

Inventor's signature:

Full name of third inventor: David J. Lentz

Country of Citizenship: USA

Residence Address: 23 Timber Lane, Randolph, NJ 07869

Post Office Address: Same as Above

Date: \_\_\_\_\_ Inventor's signature \_\_\_\_\_

Full name of fourth inventor: Richard J. Zdrahala

Country of Citizenship: USA

Residence Address: 39 Cobblestone Terrace, Montville, NJ 07045

Post Office Address: Same as Above

Date: \_\_\_\_\_ Inventor's signature \_\_\_\_\_

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COUNTRY (or PCT)	APPLICATION NO.	DATE OF FILING (Day/Month/Year)	PRIORITY CLAIMED UNDER 35 USC §119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. §119(e)**

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*(List prior U.S. provisional applications.)*

PROVISIONAL APPLICATION NO.	FILING DATE (Day/Month/Year)

# CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

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(List prior U.S. applications or PCT international applications designating the U.S. for benefit under 35 U.S.C. §120.)

## U.S. APPLICATIONS

STATUS (Check One)

U.S. SERIAL NO.	U.S. FILING DATE (Day/Month/Year)	Patented	Pending	Abandoned
0 /		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0 /		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PCT APPLICATIONS DESIGNATING THE U.S.

STATUS (Check One)

PCT APPLN. NO.	PCT FILING DATE (Day/Month/Year)	U.S. SERIAL NOS. ASSIGNED (If any)	Patented	Pending	Abandoned
PCT/			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCT/			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 35 USC 119 PRIORITY CLAIM, IF ANY, FOR ABOVE LISTED U.S./PCT APPLICATIONS

PRIORITY APPLICATION NO.	PRIORITY COUNTRY	FILING DATE (Day/Month/Year)	ISSUE DATE (Day/Month/Year)

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Jericho, NY 11753

Attorney:  
Daniel A. Scola, Jr.  
(201) 331-1700

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Country of Citizenship: USA

Residence Address: 13 South Gables Drive; Chester, NJ 07930

Post Office Address: Same as Above

Date: \_\_\_\_\_ Inventor's signature \_\_\_\_\_

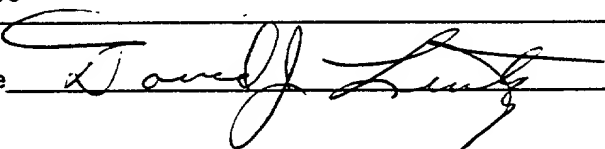
Full name of second inventor: Horng-Ban Lin

Country of Citizenship:

Residence Address: 9 Willow Drive; Randolph, NJ 07869

Post Office Address: Same as Above

Date: \_\_\_\_\_ Inventor's signature \_\_\_\_\_

Full name of third inventor: David J. Lentz  
Country of Citizenship: USA  
Residence Address: 23 Timber Lane, Randolph, NJ 07869  
Post Office Address: Same as Above  
Date: 10/8/96 Inventor's signature 

Full name of fourth inventor: Richard J. Zdrahala  
Country of Citizenship: USA  
Residence Address: 39 Cobblestone Terrace, Montville, NJ 07045  
Post Office Address: Same as Above  
Date: \_\_\_\_\_ Inventor's signature \_\_\_\_\_

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**COMBINED DECLARATION AND POWER OF ATTORNEY**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL,  
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☐ Supplemental  
☐ Design☐ National Stage PCT  
☐ Divisional  
☐ Continuation  
☐ Continuation-in-Part (CIP)**INVENTORSHIP IDENTIFICATION**

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the specification of which: *(complete (a), (b) or (c))*(a) ☐ is attached hereto.(b) ☒ was filed on September 13, 1996 as  
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COUNTRY (or PCT)	APPLICATION NO.	DATE OF FILING (Day/Month/Year)	PRIORITY CLAIMED UNDER 35 USC §119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. §119(e)**

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

*(List prior U.S. provisional applications.)*

PROVISIONAL APPLICATION NO.	FILING DATE (Day/Month/Year)

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## U.S. APPLICATIONS

STATUS (Check One)

U.S. SERIAL NO.	U.S. FILING DATE (Day/Month/Year)	Patented	Pending	Abandoned
0 /		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0 /		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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STATUS (Check One)

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PCT/			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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PLEASE SEND CORRESPONDENCE TO:

PLEASE DIRECT TELEPHONE CALLS TO:

please refer to  
the change of  
attorney address  
form.

Attorney:  
Daniel A. Scola, Jr.  
(201) 331-1700

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Country of Citizenship: TAIWAN

Residence Address: 9 Willow Drive; Randolph, NJ 07869

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Date: 11-6-96 Inventor's signature 

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(List prior foreign/PCT application(s) filed within 12 months (6 months for design) prior to this U.S. application.)

NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority check item (e), enter the details below and make the priority claim.

COUNTRY (or PCT)	APPLICATION NO.	DATE OF FILING (Day/Month/Year)	PRIORITY CLAIMED UNDER 35 USC §119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

### CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. §119(e)

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

(List prior U.S. provisional applications.)

PROVISIONAL APPLICATION NO.	FILING DATE (Day/Month/Year)

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120**

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

(List prior U.S. applications or PCT international applications designating the U.S. for benefit under 35 U.S.C. §120.)

**U.S. APPLICATIONS****STATUS** (Check One)

U.S. SERIAL NO.	U.S. FILING DATE (Day/Month/Year)	Patented	Pending	Abandoned
0 /		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0 /		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**PCT APPLICATIONS DESIGNATING THE U.S.****STATUS** (Check One)

PCT APPLN. NO.	PCT FILING DATE (Day/Month/Year)	U.S. SERIAL NOS. ASSIGNED (If any)	Patented	Pending	Abandoned
PCT/			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCT/			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**35 USC 119 PRIORITY CLAIM, IF ANY, FOR ABOVE LISTED U.S./PCT APPLICATIONS**

PRIORITY APPLICATION NO.	PRIORITY COUNTRY	FILING DATE (Day/Month/Year)	ISSUE DATE (Day/Month/Year)

**POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office in connection therewith:

Charles R. Hoffmann, Reg. No. 24,102; Ronald J. Baron, Reg. No. 29,281; Gerald T. Bodner, Reg. No. 30,449; Alan M. Sack, Reg. No. 31,874; A. Thomas Kammer, Reg. No. 28,226; Arlene D. Morris, Reg. No. 32,657; R. Glenn Schroeder, Reg. No. 34,720; Glenn T. Henneberger, Reg. No. 36,074; Livia Boyadjian, Reg. No. 34,781; Sean W. O'Dea, Reg. No. 37,690; Lindsay S. Adams, Reg. No. 36,425; Paul J. Otterstedt, Reg. No. 37,411; Irving N. Feit, Reg. No. 28,601; William E. Lewis, Reg. No. 39,274; and Paul D. Ackerman, Reg. No. 39,891, each of them of HOFFMANN & BARON, 350 Jericho Turnpike, Jericho, New York 11753; and Daniel A. Scola, Jr., Reg. No. 29,855; Salvatore J. Abbruzzese, Reg. No. 30,152; Kirk M. Miles, Reg. No. 37,891; Kevin C. Hooper, Reg. No. P-40,402; and Robert F. Chisholm, Reg. No. 39,939, each of them of HOFFMANN & BARON, 1055 Parsippany Boulevard, Parsippany, New Jersey 07054.

PLEASE SEND CORRESPONDENCE TO:

HOFFMANN & BARON  
350 Jericho Turnpike  
Jericho, NY 11753

PLEASE DIRECT TELEPHONE CALLS TO:

Attorney:  
Daniel A. Scola, Jr.  
(201) 331-1700

#### DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

Full name of sole or first inventor: Birendra K. Patnaik

Country of Citizenship:

Residence Address: 13 South Gables Drive; Chester, NJ 07930

Post Office Address: Same as Above

Date: \_\_\_\_\_ Inventor's signature \_\_\_\_\_

Full name of second inventor: Horng-Ban Lin

Country of Citizenship:

Residence Address: 9 Willow Drive; Randolph, NJ 07869

Post Office Address: Same as Above

Date: \_\_\_\_\_ Inventor's signature \_\_\_\_\_

Full name of third inventor: David J. Lentz  
Country of Citizenship: USA  
Residence Address:  
Post Office Address: Same as Above  
Date: \_\_\_\_\_ Inventor's signature \_\_\_\_\_

Full name of fourth inventor: Richard J. Zdrahala  
Country of Citizenship: USA  
Residence Address: 39 Cobblestone Terrace; Montville, NJ 07045  
Post Office Address: Same as Above  
Date: Sept 22, 1996 Inventor's signature Richard J. Zdrahala

NOTE: All above spaces identifying inventors must be completed or deleted before any inventor executes this application)

Docket: 498-128

PATENT

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or ☐ U.S. Patent  
By: ☒ Inventors or ☐ Present Owners

### ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS: (inventors or persons or entities who own the invention)

<u>Birendra K. Patnaik</u>	<u>Hornq-Ban Lin</u>	<u>David J. Lentz</u>
<u>13 South Gables Drive</u>	<u>9 Willow Drive</u>	<u>23 Timber Lane</u>
<u>Chester, NJ 07930</u>	<u>Randolph, NJ 07869</u>	<u>Randolph, NJ 07869</u>
<u>Richard J. Zdrahala</u>		
<u>39 Cobblestone Terrace</u>		
<u>Montville, NJ 07045</u>		
<u>USA</u>		

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on \_\_\_\_\_  
Reel \_\_\_\_\_  
Frame \_\_\_\_\_

hereby sells, assigns and transfers to

ASSIGNEE: Meadox Medicals, Inc.  
(Type or print name of ASSIGNEE)  
112 Bauer Drive  
Address  
Oakland, NJ 07436  
USA  
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent (\_\_\_\_\_% ) interest  
for the United States and its territorial possessions

☒ and in all foreign countries, including all rights to claim  
priority,

in and to any and all improvements which are disclosed in the invention  
entitled:

ePTFE SMALL CALIBER VASCULAR GRAFTS WITH SIGNIFICANT PATENCY ENHANCEMENT  
VIA A SURFACE COATING WHICH CONTAINS COVALENTLY BONDED HEPARIN

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith  
(b) ☐ U.S. patent application executed on \_\_\_\_\_  
(c) ☐ U.S. provisional application naming the above  
inventor(s) for the above-identified invention.  
☐ Express Mail label No.: \_\_\_\_\_, mailed: \_\_\_\_\_  
☐ To comply with 37 CFR 3.21 for recordal of this assignment, I an  
ASSIGNOR signing below, hereby authorize and request my attorney  
to insert below the filing date and application number when they  
become known  
(d) ☒ U.S. application serial no. 08/ 713,800 filed on  
September 13, 1996  
(e) ☐ International application No. PCT/\_\_\_\_\_/\_\_\_\_\_  
(f) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_  
☐ A change of address to which correspondence is to  
be sent regarding patent maintenance fees is being  
sent separately.  
(g) ☒ and any legal equivalent thereof in a foreign country, including  
the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention  
by the above application or any continuation, division, renewal, or  
substitute thereof, and as to Letters Patent any re-issue or re-  
examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or  
encumbrance has been or will be made or entered into which would  
conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Date: X 10/16/96  
(Date of signing)

X Birendra G. Bhatia  
SIGNATURE of ASSIGNOR

Date: X \_\_\_\_\_

X \_\_\_\_\_

Date: X \_\_\_\_\_

X \_\_\_\_\_

Date: X \_\_\_\_\_

X \_\_\_\_\_

Date: X \_\_\_\_\_

X \_\_\_\_\_

Date: X \_\_\_\_\_

X \_\_\_\_\_

If ASSIGNOR is a legal entity complete the following information

\_\_\_\_\_  
Type or print the name of the above person  
authorized to sign on behalf of ASSIGNOR

\_\_\_\_\_  
Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

[X] Notarization or Legalization Page Added.

STATE OF *New Jersey*  
SS  
COUNTY OF *Morris*

On this *16<sup>th</sup>* day of *October*, 199*6*, before me  
personally appeared *Birendra K. Patnaik* to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

*Kathleen J Goodhand*  
\_\_\_\_\_  
Notary Public

KATHLEEN J. GOODHAND  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires July 15, 1997

STATE OF  
SS  
COUNTY OF

On this            day of            , 199    , before me  
personally appeared            to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

\_\_\_\_\_  
Notary Public

STATE OF  
SS  
COUNTY OF

On this            day of            , 199    , before me  
personally appeared            to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

\_\_\_\_\_  
Notary Public



STATE OF

SS

COUNTY OF

On this            day of            , 1996, before me  
personally appeared            to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

---

Notary Public

498:128:HBNU1:3493\_1

Docket: 498-128

PATENT

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or ☐ U.S. Patent  
By: ☒ Inventors or ☐ Present Owners

### ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS: (inventors or persons or entities who own the invention)

<u>Birendra K. Patnaik</u>	<u>Hornng-Ban Lin</u>	<u>David J. Lentz</u>
<u>13 South Gables Drive</u>	<u>9 Willow Drive</u>	<u></u>
<u>Chester, NJ 07930</u>	<u>Randolph, NJ 07869</u>	<u></u>
<u></u>	<u></u>	<u></u>
<u>Richard J. Zdrahala</u>	<u></u>	<u></u>
<u>39 Cobblestone Terrace</u>	<u></u>	<u></u>
<u>Montville, NJ 07045</u>	<u></u>	<u></u>
<u>USA</u>	<u></u>	<u></u>

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on   
Reel   
Frame

hereby sells, assigns and transfers to

ASSIGNEE: Meadox Medicals, Inc.  
(Type or print name of ASSIGNEE)  
112 Bauer Drive  
Address  
Oakland, NJ 07436  
USA  
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent (\_\_\_\_\_% ) interest  
for the United States and its territorial possessions

☒ and in all foreign countries, including all rights to claim  
priority,

in and to any and all improvements which are disclosed in the invention  
entitled:

ePTFE SMALL CALIBER VASCULAR GRAFTS WITH SIGNIFICANT PATENCY ENHANCEMENT  
VIA A SURFACE COATING WHICH CONTAINS COVALENTLY BONDED HEPARIN

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith  
(b) ☐ U.S. patent application executed on \_\_\_\_\_  
(c) ☐ U.S. provisional application naming the above  
inventor(s) for the above-identified invention.  
☐ Express Mail label No.: \_\_\_\_\_, mailed: \_\_\_\_\_  
☐ To comply with 37 CFR 3.21 for recordal of this assignment, I an  
ASSIGNOR signing below, hereby authorize and request my attorney  
to insert below the filing date and application number when they  
become known  
(d) ☒ U.S. application serial no. 08/713,800 filed on  
September 13, 1996  
(e) ☐ International application No. PCT/\_\_\_\_\_/\_\_\_\_\_  
(f) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_  
☐ A change of address to which correspondence is to  
be sent regarding patent maintenance fees is being  
sent separately.  
(g) ☒ and any legal equivalent thereof in a foreign country, including  
the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention  
by the above application or any continuation, division, renewal, or  
substitute thereof, and as to Letters Patent any re-issue or re-  
examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or  
encumbrance has been or will be made or entered into which would  
conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Date: X  
(Date of signing)

X  
SIGNATURE of ASSIGNOR

Date: X

X

Date: X

X

Date: X Sept. 20, 1996

X Richard J. Adahale

Date: X

X

Date: X

X

If ASSIGNOR is a legal entity complete the following information

\_\_\_\_\_  
Type or print the name of the above person  
authorized to sign on behalf of ASSIGNOR

\_\_\_\_\_  
Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

[ ] Notarization or Legalization Page Added.

STATE OF

SS

COUNTY OF

On this                      day of                      , 199    , before me  
personally appeared                      to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

---

Notary Public

STATE OF

SS

COUNTY OF

On this                      day of                      , 199    , before me  
personally appeared                      to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

---

Notary Public

STATE OF

SS

COUNTY OF

On this                      day of                      , 199    , before me  
personally appeared                      to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

---

Notary Public

STATE OF *New Jersey*  
COUNTY OF *Morris* SS

On this *20th* day of *September*, 1996, before me personally appeared *Richard J. Zdrahala* to me personally known and known to me to be the person who signed the foregoing Assignment and acknowledged the signing of same as his/her free act and deed.

*Kathleen J. Goodhand*  
\_\_\_\_\_  
Notary Public

KATHLEEN J. GOODHAND  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires July 15, 1997

Docket: 498-128

PATENT

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or ☐ U.S. Patent  
By: ☒ Inventors or ☐ Present Owners

### ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS: (inventors or persons or entities who own the invention)

<u>Birendra K. Patnaik</u>	<u>Hornq-Ban Lin</u>	<u>David J. Lentz</u>
<u>13 South Gables Drive</u>	<u>9 Willow Drive</u>	<u>23 Timber Lane</u>
<u>Chester, NJ 07930</u>	<u>Randolph, NJ 07869</u>	<u>Randolph, NJ 07869</u>
<u>Richard J. Zdrahala</u>		
<u>39 Cobblestone Terrace</u>		
<u>Montville, NJ 07045</u>		
<u>USA</u>		

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on \_\_\_\_\_  
Reel \_\_\_\_\_  
Frame \_\_\_\_\_

hereby sells, assigns and transfers to

ASSIGNEE:

Meadox Medicals, Inc.  
(Type or print name of ASSIGNEE)  
112 Bauer Drive  
Address  
Oakland, NJ 07436  
USA  
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent (\_\_\_\_\_% ) interest  
for the United States and its territorial possessions

☒ and in all foreign countries, including all rights to claim  
priority,

in and to any and all improvements which are disclosed in the invention  
entitled:

ePTFE SMALL CALIBER VASCULAR GRAFTS WITH SIGNIFICANT PATENCY ENHANCEMENT  
VIA A SURFACE COATING WHICH CONTAINS COVALENTLY BONDED HEPARIN

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith  
(b) ☐ U.S. patent application executed on \_\_\_\_\_  
(c) ☐ U.S. provisional application naming the above  
inventor(s) for the above-identified invention.  
[ ] Express Mail label No.: \_\_\_\_\_, mailed: \_\_\_\_\_  
[ ] To comply with 37 CFR 3.21 for recordal of this assignment, I an  
ASSIGNOR signing below, hereby authorize and request my attorney  
to insert below the filing date and application number when they  
become known  
(d) ☒ U.S. application serial no. 08/ 713,300 filed on  
September 13, 1996  
(e) ☐ International application No. PCT/\_\_\_\_\_/\_\_\_\_\_  
(f) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_  
[ ] A change of address to which correspondence is to  
be sent regarding patent maintenance fees is being  
sent separately.  
(g) ☒ and any legal equivalent thereof in a foreign country, including  
the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention  
by the above application or any continuation, division, renewal, or  
substitute thereof, and as to Letters Patent any re-issue or re-  
examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or  
encumbrance has been or will be made or entered into which would  
conflict with this assignment.



ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Date: X 10/8/96  
(Date of signing)

X David J. Lutz  
SIGNATURE of ASSIGNOR

Date: X \_\_\_\_\_

X \_\_\_\_\_

Date: X \_\_\_\_\_

X \_\_\_\_\_

Date: X \_\_\_\_\_

X \_\_\_\_\_

Date: X \_\_\_\_\_

X \_\_\_\_\_

Date: X \_\_\_\_\_

X \_\_\_\_\_

If ASSIGNOR is a legal entity complete the following information

\_\_\_\_\_  
Type or print the name of the above person  
authorized to sign on behalf of ASSIGNOR

\_\_\_\_\_  
Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

[X] Notarization or Legalization Page Added.

STATE OF *New Jersey*  
SS  
COUNTY OF *Morris*

On this *8<sup>th</sup>* day of *October*, 199*6*, before me  
personally appeared *DAVID J. LENTZ* to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

*Kathleen J. Goodhand*  
\_\_\_\_\_  
Notary Public

KATHLEEN J. GOODHAND  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires July 15, 1997

STATE OF  
SS  
COUNTY OF

On this            day of            , 199    , before me  
personally appeared            to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

\_\_\_\_\_  
Notary Public

STATE OF  
SS  
COUNTY OF

On this            day of            , 199    , before me  
personally appeared            to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

\_\_\_\_\_  
Notary Public

STATE OF

SS

COUNTY OF

On this            day of            , 1996, before me  
personally appeared            to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

---

Notary Public

498:128:HBNJ1:3493\_1

Docket: 498-128

PATENT

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or ☐ U.S. Patent  
By: ☒ Inventors or ☐ Present Owners

### ASSIGNMENT OF INVENTION

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ASSIGNORS: (inventors or persons or entities who own the invention)

<u>Birendra K. Patnaik</u>	<u>Hornq-Ban Lin</u>	<u>David J. Lentz</u>
----------------------------	----------------------	-----------------------

<u>13 South Gables Drive</u>	<u>9 Willow Drive</u>	<u>23 Timber Lane</u>
------------------------------	-----------------------	-----------------------

<u>Chester, NJ 07930</u>	<u>Randolph, NJ 07869</u>	<u>Randolph, NJ 07869</u>
--------------------------	---------------------------	---------------------------

<u>Richard J. Zdrahala</u>	_____	_____
----------------------------	-------	-------

<u>39 Cobblestone Terrace</u>	_____	_____
-------------------------------	-------	-------

<u>Montville, NJ 07045</u>	_____	_____
----------------------------	-------	-------

<u>USA</u>	_____	_____
------------	-------	-------

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on \_\_\_\_\_

Reel \_\_\_\_\_

Frame \_\_\_\_\_

hereby sells, assigns and transfers to

ASSIGNEE:

Meadox Medicals, Inc.

(Type or print name of ASSIGNEE)

112 Bauer Drive

Address

Oakland, NJ 07436

USA

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

[ ] an undivided \_\_\_\_\_ percent (\_\_\_\_\_% ) interest

for the United States and its territorial possessions

[x] and in all foreign countries, including all rights to claim priority,

in and to any and all improvements which are disclosed in the invention entitled:

ePTFE SMALL CALIBER VASCULAR GRAFTS WITH SIGNIFICANT PATENCY ENHANCEMENT  
VIA A SURFACE COATING WHICH CONTAINS COVALENTLY BONDED HEPARIN

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

- (a) [ ] U.S. patent application executed on even date herewith  
(b) [ ] U.S. patent application executed on \_\_\_\_\_  
(c) [ ] U.S. provisional application naming the above inventor(s) for the above-identified invention.  
[ ] Express Mail label No.: \_\_\_\_\_, mailed: \_\_\_\_\_  
[ ] To comply with 37 CFR 3.21 for recordal of this assignment, I an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known  
(d) [X] U.S. application serial no. 08/ 713,800 filed on September 13, 1996  
(e) [ ] International application No. PCT/\_\_\_\_\_/\_\_\_\_\_  
(f) [ ] U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_  
[ ] A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.  
(g) [x] and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Date: X

(Date of signing)

Date: X 12-6-96

X

SIGNATURE of ASSIGNOR

X

*[Handwritten Signature]*

Date: X

X

Date: X

X

Date: X

X

Date: X

X

If ASSIGNOR is a legal entity complete the following information

\_\_\_\_\_  
Type or print the name of the above person  
authorized to sign on behalf of ASSIGNOR

\_\_\_\_\_  
Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

[X] Notarization or Legalization Page Added.

STATE OF

SS

COUNTY OF

On this                      day of                      , 199    , before me  
personally appeared                      to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

\_\_\_\_\_  
Notary Public

STATE OF *New Jersey*  
SS

COUNTY OF *Bergen*

On this *6th* day of *December* , 199*6* , before me  
personally appeared *Hong-Ban Lin* to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

*Marguerite J. Mullin*  
\_\_\_\_\_  
Notary Public

**MARGUERITE J. MULLIN**  
A Notary Public of New Jersey  
My Commission Expires *July 18, 1996*

*Aug. 14, 2000*

STATE OF

SS

COUNTY OF

On this                      day of                      , 199    , before me  
personally appeared                      to me personally  
known and known to me to be the person who signed the foregoing  
Assignment and acknowledged the signing of same as his/her free  
act and deed.

\_\_\_\_\_  
Notary Public